

	APPLICATION ELEMENTS hapter 600 concerning utility patent application contents.	ADDRESS TO: Box Patent Application Washington, DC 20231
	Fee Transmittal Form (e.g., PTO/SB/17)	5. Microfiche Computer Program (Appendix)
2.  Sign (5) (6) (7) (7) (8) (8) (9) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	uturnit an original and a duplicate for fee processing) pedication [Total Pages 338 ] pedication pe	5. Microster Computer Program (Appendix) 6. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Copy b. Paper Copy (Identical to computer copy) c. Statement verifying identity of above copies H  ACCOMPANYING APPLICATION PARTS 7. Assignment Papers (cover sheet & document(s)) 8. 37 C.F.R.\$3.73(b) Statement Power of (when there is an assignee) 9. English Translation Courament (if applicable)
- Abstract of the Disclosure  3.		
reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.		
17. CORRESPONDENCE ADDRESS  18. Customer Number or Bar Code Label  1026096  (Insent Customer No. or Attach bar code label here)  10. Correspondence address below		
Name	John E. Carlson Carlson, Gaskey & Olds, PC	
Address 400 West Maple Road, Suite 350		
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Name (Print/Type) John E. Carleon / Registration No. (Attorney/Agent) 37,794		
		Data July 16, 2003

Burdern Hour Statement: This torphi-sestimated to Table 0.2 hours to complete. Time will vary depending upon the needs of the includual case. Any comments on the amount of time virus are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DO 20231, DO MOY SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DO 20231.

PTO/SB/17 (01-03)

Approved for use through 04/30/2003. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number Complete if Known **FEE TRANSMITTAL** To Be Assigned Application Number Herewith Filing Date for FY 2003 Fuller First Named Inventor Effective 01/01/2003. Patent fees are subject to annual revision. Unknown Examiner Name Applicant claims small entity status. See 37 CFR 1.27 Unknown Art Unit (\$) 952.00 TOTAL AMOUNT OF PAYMENT 67097-006;EH-10871 Attorney Docket No. METHOD OF PAYMENT (check all that apply) FEE CALCULATION (continued) Money 3. ADDITIONAL FEES Other None Check Credit card Large Entity , Small Entity Deposit Account Fee Fee Fee Fee Description Deposit (\$) Fee Paid 50-1482 Account 1051 130 2051 65 Surcharge - late filing fee or oath Number Deposit 50 2052 25 Surcharge - late provisional filing fee or Carlson, Gaskey & Olds 1052 Account cover sheet Name 1053 130 1053 130 Non-English specification The Commissioner is authorized to: (check all that apply) 1812 2,520 For filing a request for ex parte reexamination 1812 2.520 Charge fee(s) indicated below Credit any overpayments 1804 920\* Requesting publication of SIR prior to 1804 920 Charge any additional fee(s) during the pendency of this application Charge fee(s) indicated below, except for the filing fee 1805 1,840\* Requesting publication of SIR after 1805 1,840 Evaminer action to the above-identified deposit account 2251 55 Extension for reply within first month 1251 110 **FEE CALCULATION** 205 Extension for reply within second month 1252 410 2252 1. BASIC FILING FEE 1253 930 465 Extension for reply within third month arge Entity Small Entity Fee Fee Code (\$) Fee Paid Fee Fee Fee Description 1254 1 450 2254 725 Extension for reply within fourth month 985 Extension for reply within fifth month 1255 1,970 2255 1001 750 2001 375 Utility filing fee 750.00 1401 320 2401 160 Notice of Appeal 1002 330 2002 165 Design filing fee 160. Filling a brief in support of an anneal 1003 520 2003 260 Plant filing fee 1402 320 2402 1403 280 140 Request for oral hearing 2403 1004 750 2004 375 Reissue filing fee 1451 1,510 1451 1.510 Petition to institute a public use proceeding 1005 160 2005 80 Provisional filing fee 1452 110 2452 55 Petition to revive - unavoidable SUBTOTAL (1) (\$) 750.00 1453 1 300 2453 650 Petition to revive - unintentional 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE 1501 1,300 2501 650 Utility issue fee (or reissue) Extra Claims below Fee Paid 1502 470 2502 235 Design issue fee **Total Claims** 1503 630 2503 315 Plant issue fee Independent 1460 Claims
Multiple Dependen 130 1460 130 Petitions to the Commissioner 1807 50 1807 50 Processing fee under 37 CFR 1.17(g) arge Entity Small Entity 180 Submission of Information Disclosure Stmt 1806 180 1806 Fee Fee Code (\$) Fee Description 40 Recording each patent assignment per Code (\$) 40 00 8021 40 8021 property (times number of properties) Claims in excess of 20 1202 18 2202 375 Filing a submission after final rejection (37 CFR 1.129(a)) 1809 750 2809 Independent claims in excess of 3 1201 84 2201 42 1203 280 2203 140 Multiple dependent claim, if not paid 375 For each additional invention to be 2810 examined (37 CFR 1.129(b)) \*\* Reissue independent claims 1204 84 2204 42 over original patent 1801 750 2801 375 Request for Continued Examination (RCE) 1802 900 1802 900 Request for expedited examination 1205 18 2205 \*\* Reissue claims in excess of 20 and over original patent of a design application (\$) 216.00 Other fee (specify) SUBTOTAL (2)

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"or number previously paid, if greater, For Reissues, see above

John E. Varlson

SUBMITTED BY

Name (Print/Type)

Signature

\*Reduced by Basic Filing Fee Paid

37.794

Registration No.

(\$) 40.00

July 16, 2003

SUBTOTAL (3)

Date

Telephone (248) 988-8360

be included on this form. Provide credit card information and authorization on PTO-2038. This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

## UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Fuller

Serial No.:

Herewith

Filed:

Herewith

Title:

A Square Root Method for Computationally Efficient Model

Predictive Control

Attorney Docket No .:

67097-006;EH-10871

## EXPRESS MAIL CERTIFICATE

"Express Mail" Label Number: EV221421154US

Date of Deposit:

July 16, 2003

I hereby certify that the attached documents or fees are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.